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Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (currently amended) A method comprising:
  - hosting content of a web page at a first mechanism that is capable of responding to a client request;
  - storing at least some of the content at a ~~second~~ network interface mechanism that is capable of independently responding to a client request and that is accessible by the first mechanism, wherein the network interface mechanism provides a physical interface between a network and the first mechanism; and
  - providing at least some of the content stored at the ~~second~~ network interface mechanism to a client in response to a request for content sent to the first mechanism by the client.
2. (currently amended) The method of claim 1 further comprising performing at the ~~second~~ network interface mechanism security-related operations involving the request.
3. (currently amended) The method of claim 1 further comprising performing at the ~~second~~ network interface mechanism all transmission control protocol processing in fulfilling the request.
4. (currently amended) The method of claim 1 further comprising mapping at the ~~second~~ network interface mechanism at least one network address to a particular set of content.
5. (currently amended) The method of claim 1 in which the content stored at the ~~second~~ network interface mechanism

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includes content most often requested in requests sent to the first mechanism.

6. (currently amended) The method of claim 1 further comprising updating the ~~second-network interface~~ mechanism using updated content.

7. (currently amended) The method of claim 1 in which the ~~second-network interface~~ mechanism includes a network interface card.

8. (original) The method of claim 1 in which the first mechanism includes a server.

9. (currently amended) The method of claim 1 further comprising providing the content to the client from the first mechanism if the ~~second-network interface~~ mechanism does not include the content.

10. (currently amended) The method of claim 1 further comprising providing information related to a client request from the ~~second-network interface~~ mechanism to the first mechanism if the ~~second-network interface~~ mechanism independently handles the client request.

11. (original) The method of claim 10 in which the information includes an indication of content requested in the client request.

12. (currently amended) An article comprising:  
a machine-readable medium which contains machine-executable instructions, the instructions causing a machine to:

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host content of a web page at a first mechanism that is capable of responding to a client request;

store at least some of the content at a ~~second~~-network interface mechanism that is capable of independently responding to a client request and that is accessible by the first mechanism, wherein the network interface mechanism provides a physical interface between a network and the first mechanism; and

provide at least some of the content stored at the ~~second~~-network interface mechanism to a client in response to a request for content sent to the first mechanism by the client.

13. (currently amended) The article of claim 12 further causing a machine to perform at the ~~second~~-network interface mechanism security-related operations involving the request.

14. (currently amended) The article of claim 12 further causing a machine to perform at the ~~second~~-network interface mechanism all transmission control protocol processing in fulfilling the request.

15. (currently amended) The article of claim 12 further causing a machine to map at the ~~second~~-network interface mechanism at least one network address to a particular set of content.

16. (currently amended) The article of claim 12 in which the content stored at the ~~second~~-network interface mechanism includes content most often requested in requests sent to the first mechanism.

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17. (currently amended) The article of claim 12 further causing a machine to update the ~~second~~-network interface mechanism using updated content.

18. (currently amended) The article of claim 12 in which the ~~second~~-network interface mechanism includes a network interface card.

19. (original) The article of claim 12 in which the first mechanism includes a server.

20. (currently amended) The article of claim 12 further causing a machine to provide the content to the client from the first mechanism if the ~~second~~-network interface mechanism does not include the content.

21. (currently amended) The article of claim 12 further causing a machine to provide information related to a client request from the ~~second~~-network interface mechanism to the first mechanism if the ~~second~~-network interface mechanism independently handles the client request.

22. (original) The article of claim 21 in which the information includes an indication of content requested in the client request.

23. (currently amended) A[[n]] system comprising:  
a server configured to host content of a web page and to respond to a client request; and  
a[[n]] network interface device configured to communicate with the server, to store at least some of the content of the web page, and to independently provide at least

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some of the content stored at the interface in response to a request sent to the server for web content.

24. (original) The system of claim 23 further comprising a stack included in the interface and configured to perform security-related operations involving the request.

25. (original) The system of claim 23 in which the interface is also configured to perform all transmission control protocol processing in fulfilling the request.

26. (original) The system of claim 23 in which the interface is also configured to map at least one network address to a particular set of content.

27. (original) The system of claim 23 in which the content stored at the interface includes content most often requested in requests sent to the server.

28. (original) The system of claim 23 further comprising a storage mechanism included in the interface and configured to store the content.

29. (original) The system of claim 23 further comprising a storage mechanism accessible by the server and configured to store the content of the web page.

30. (original) The system of claim 23 in which the storage mechanism is also configured to provide updates to the content to the interface.

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31. (original) The system of claim 23 further comprising a proxy included in the interface and configured to retrieve the content from storage.

32. (currently amended) The system of claim 23 in which the network interface device includes a network interface card.

33. (original) The system of claim 23 in which the interface is also configured to provide the content in response to the request if the interface does not include the web content.

34-37. (cancelled)

38. (New) A network interface device comprising:  
a physical interface configured to interconnect a network and a web server;  
a rapid storage mechanism configured to store web content frequently provided by the web server in response to client requests; and  
a network stack configured to provide the web content stored in the rapid storage mechanism in response to a request sent to the web server.

39. (new) The device of claim 38, wherein the network stack is further configured to perform security-related operations and transmission control protocol processing in fulfilling the request.

40. (new) The device of claim 39, further comprising a component configured to send high layer socket calls to the web server.

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41. (new) The device of claim 39, further comprising a component configured to provide information related to fulfilling the request to the web server.

42. (New) A system comprising:

- a web server;
- a remote storage mechanism operatively coupled with the web server; and
- a network interface device comprising:
  - a physical interface configured to interconnect a network and the web server,
  - a rapid storage mechanism configured to store web content frequently provided by the web server in response to client requests, and
  - a network stack configured to provide the web content stored in the rapid storage mechanism in response to a request sent to the web server.

43. (new) The system of claim 42, wherein the network stack is further configured to perform security-related operations and transmission control protocol processing in fulfilling the request.

44. (new) The system of claim 43, further comprising a web content monitor and page loader, and wherein the network interface device is configured to send high layer socket calls to the web server.

45. (new) The system of claim 43, wherein the network interface device is configured to provide information related to fulfilling the request to the web server.

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46. (new) The system of claim 43, wherein the network interface device comprises a network interface card.